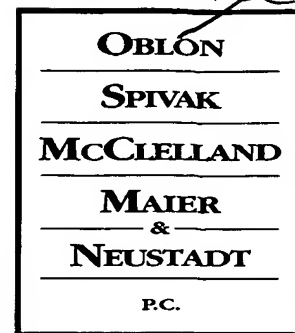




Docket No.: 250078US23

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313



ATTORNEYS AT LAW

J. DEREK MASON  
(703) 413-3000  
DMASON@OBLON.COM

STEFAN U. KOSCHMIEDER, PH.D.  
(703) 412-6463  
SKOSCHMIEDER@OBLON.COM

RE: Application Serial No.: 10/809,514  
Applicants: Guerry L GRUNE, et al.  
Filing Date: March 26, 2004  
For: METAL/POLYMER LAMINATES, A METHOD FOR  
PREPARING THE LAMINATES, AND  
STRUCTURES DERIVED THEREFROM  
Group Art Unit: 1773  
Examiner: KRUEER, K.R.

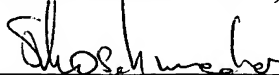
SIR:

Attached hereto for filing are the following papers:  
**Petition Under 37 C.F.R. § 1.182 (2 pp.)**  
**Declaration Under 37 C.F.R. § 3.73(b) (Executed Copy, 4 pp.)**  
**Exhibits A-F (37 pp.)**  
**Submission of Supplemental Application Data Sheet**  
**Supplemental Application Data Sheet (3 pp.)**

Our credit card payment form in the amount of \$400.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

  
J. Derek Mason

Registration No. 35,270

Customer Number

**22850**

(703) 413-3000 (phone)  
(703) 413-2220 (fax)

Stefan U. Koschmieder, Ph.D.  
Registration No. 50,238



DOCKET NO: 250078US23

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :  
GUERRY L GRUNE, ET AL. :  
SERIAL NO: 10/809,514 :  
FILED: MARCH 26, 2004 : GROUP ART UNIT: 1775  
FOR: METAL/POLYMER LAMINATES, :  
A METHOD FOR PREPARING THE  
LAMINATES, AND STRUCTURES  
DERIVED THEREFROM

PETITION UNDER 37 C.F.R. § 1.182

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Further to the Notice to File Missing Parts of Nonprovisional Application of June 10, 2004, and the Declaration under 37 C.F.R. § 1.63 submitted concurrently herewith, Applicants respectfully request the following Petition under 37 C.F.R. § 1.182 be granted.

Applicants respectfully request that the order of inventors in the above-identified application be recorded as follows:

Yannetti, Bill;  
Rudisi, Joe;  
Kearney, Dave; and  
Grune, Guerry.

In the Declaration previously submitted in this case the order of inventors' signatures is provided as Grune, Guerry; Kearney, Dave; Rudisi, Joe; and Yannetti, Bill.

05/19/2005 SZEWDIE1 00000025 10809514

01 FC:1462

400.00 0P

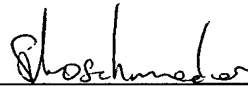
The inclusion of any of the presently named inventors in the present application is not in dispute.

According to M.P.E.P. § 605.04(f) the order of names as it appears in an originally filed Declaration may be changed by filing a Petition under 37 C.F.R. § 1.182 requesting a change in the order of names together with the appropriate fee under 37 C.F.R. § 1.17(f).

Since Applicants have timely filed the present Petition and included the appropriate fee, Applicants respectfully request the Petition be GRANTED.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon

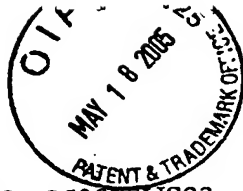


---

Stefan U. Koschmieder, Ph.D.  
Registration No. 50,238

Customer Number  
**22850**

Tel: (703) 413-3000  
Fax: (703) 413 -2220  
(OSMMN 06/04)  
SUK:aif



DOCKET NO: 250078US23

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :

GUERRY L GRUNE

: EXAMINER: KRUER, KEVIN R.

SERIAL NO: 10/809,514 :

FILED: MARCH 26, 2004

: GROUP ART UNIT: 1773

FOR: METAL/POLYMER LAMINATES, :  
A METHOD FOR PREPARING THE  
LAMINATES, AND STRUCTURES  
DERIVED THEREFROM

DECLARATION UNDER 37 C.F.R. § 3.73(b)

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

In order to establish ownership of the above-identified patent application, the assignee submits the present Declaration concurrently with the documentary evidence attached herewith.

The present application names the following 4 (four) individuals as inventors:

Guerry L. GRUNE  
784 South Villier Court  
Virginia Beach, VA 23452

Dave KEARNEY  
131 Elaine Drive  
Newport News, Virginia 23602

Joe RUDISI  
2456 Ships Watch  
Virginia Beach, VA 23451

Bill YANNETTI  
804 Birchforest Court  
Chesapeake, Virginia 23322

KEARNEY; RUDISI and YANNETTI assigned the entire right, title and interest to the invention to Mitsubishi Chemical America, Inc. as evidenced by the executed assignment document attached herewith (Exhibit A).

Each of GRUNE; KEARNEY; RUDISI and YANNETTI were employees of Mitsubishi Chemical America, Inc. at the time the invention was made and at the time the application was filed. The employment of inventor GRUNE with Mitsubishi Chemical America, Inc. terminated after filing of the present application.

GRUNE has not executed an assignment to Mitsubishi Chemical America, Inc., in the present application.

Mitsubishi Chemical America, Inc. avers that inventor GRUNE was employed to invent by Mitsubishi Chemical America, Inc. and therefore the employer (i.e., Mitsubishi Chemical America, Inc.) owns the entire right, title and interest to any patentable inventions of the present application.

Mitsubishi Chemical America, Inc. provides the following facts as support that GRUNE was employed to invent and therefore the entire right, title and interest to any patentable invention included in the present application is that of Mitsubishi Chemical America, Inc.:

(i) GRUNE joined Mitsubishi Chemical America, Inc. in November 1995 as a Development Engineer and became Manager, Intellectual Property in October 1997. GRUNE's employment terminated in May 2004.

(ii) Job descriptions for Development Engineer and Manager, Intellectual Property are attached herewith as Exhibit B.

(iii) GRUNE previously assigned the entire right, title and interest to inventions in other patents on which GRUNE is named as an inventor to Mitsubishi Chemical America, Inc. Copies of GRUNE's past assignments are evidenced by the Assignment forms attached as Exhibit C.

(iv) It is a customary practice within Mitsubishi Chemical America, Inc. for an employee at the level of Development Engineer or Manager, Intellectual Property to assign the entire right, title and interest to inventions made during the course of employment to Mitsubishi Chemical America, Inc.

(v) The invention as disclosed in the present application was conceived during the period of GRUNE's employment with Mitsubishi Chemical America as evidenced by the project progress report dated February 23, 2003 (Exhibit D).

(vi) During a preparation of the present application, GRUNE acted as representative of Mitsubishi Chemical America, Inc. as evidenced by the e-mail of March 25, 2004 (see Exhibit E).

(vii) Payment of the legal fees associated with preparing the present application was by Mitsubishi Chemical America, Inc. as evidenced by invoices and copies of checks for payment of services to patent counsel see Exhibit F.

(viii) An employee of GRUNE's technical and managerial position customarily assigns the entire right, title and interest to any invention created during the course of employment to Mitsubishi Chemical America, Inc.

The evidence mentioned above demonstrates that entire right, title and interest to any patentable invention disclosed in the present application is under the ownership of Mitsubishi Chemical America, Inc.

I am authorized to sign on behalf of Mitsubishi Chemical America, Inc.

Mamoru Nozomi  
Mamoru Nozomi

May 10, 2005  
Date



EXHIBIT A

## Assignment of Application

T NAMES  
RESIDENCE  
ESS OF  
VENTORS:

WHEREAS, I (WE) Guerry L. GRUNE; 784 S. Villier Court, Virginia Beach, VA 23452

Dave KEARNEY; 131 Elaine Drive, Newport News, VA 23602

Joe RUDISI; 2456 Ships Watch, Virginia Beach, VA 23451

Bill YANNETTI; 804 Birch Forest Court, Chesapeake, VA 23322

, respectively,

T TITLE OF  
INVENTION:

have invented certain new and useful improvements in: METAL/POLYMER LAMINATES, A METHOD FOR PREPARING THE LAMINATES, AND STRUCTURES DERIVED THEREFROM

T DATE  
INVENTORS SIGNED  
ASSIGNMENT:

For which an application for Letters Patent was executed on \_\_\_\_\_

(Application No. 10/809,514, filed March 26, 2004), and

T NAME  
ADDRESS OF  
ANY OR  
ASSIGNEE

WHEREAS, MITSUBISHI CHEMICAL AMERICA, INC.

(hereinafter referred to as "ASSIGNEES") having places of business at: 401 Volvo Parkway, Chesapeake, VA 23320, respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: \_\_\_\_\_

(Signature of Inventor) Guerry L. GRUNE

Date: 7-6-04

(Signature of Inventor) Dave KEARNEY

Date: 7/1/04

(Signature of Inventor) Joe RUDISI

Date: 7/1/04

(Signature of Inventor) Bill YANNETTI

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**

ATTORNEYS AT LAW

1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

## EXHIBIT B

## MITSUBISHI CHEMICAL AMERICA

**Position:** Development Engineer (Chemical Engineer)

**Reporting to:** Project Manager

**Department:** Virginia Development Center

**Job description:**

Chief coordinator of new product development efforts accomplishing activities through inter-departmental interfacing, meeting customer requirements/deadlines and profit maximization.

**Specific responsibilities:**

- ♦ Understudy to Project Manager: Be fully in charge of all aspects of new product development in the absence of the project manager.
- ♦ OPC new products development: Responsible for taking a project from initiation to completion with input from manager and director, while being mindful of deadlines, cost and proprietary issues.
- ♦ New solution formulation and inventory: Formulation of new solutions for new materials or new products and their consequent inventory.
- ♦ New product evaluation: Coordinate and facilitate evaluation of new products during the development through experimental design, satisfying customer requirements but not compromising on product quality or technical soundness.
- ♦ Transfer to Production and QC of new products: Responsible for the successful transfer and subsequent launch of new products from laboratory stage to mass production.
- ♦ Reformulation studies: Work on activities such as solution consolidation, reworking of existing products and other cost saving endeavors.
- ♦ Data and sample archiving: Prepare a system of archiving samples and keeping record of data for use in future developments.
- ♦ Fundamental scientific studies of issues: Supplement research and development activities in collaboration with manager and director using fundamentals established by YREC and OREC.

**Other expectations:**

The engineer is expected to comply with all aspects of professional behavior, being a self-motivator, capable of prioritizing functions, requiring minimal supervision, reporting all pertinent matter to the manager.

**Education/Experience:**

Must have a 4-year degree in chemistry/physics/chemical engineering. He/she must be computer literate and possess good to excellent communication skill including making presentations. Project management skills including designing of experiments and knowledge of dealing with personnel in other departments is vital.

**Miscellaneous:**

This will be a salaried position with remuneration commensurate with experience.



MITSUBISHI  
CHEMICAL

## **Intellectual Property Manager** **Job Description**

### **Intellectual Property Manager:**

Ideal Candidate will have a technical background in Chemistry, Physics, Chemical Engineering, Mechanical Engineering or other related field of study. This candidate will report to the Vice President of our Virginia Development Center. The ideal candidate's responsibilities will include the following:

- Patent/Publication Search
- Patent draft writing
- Risk Analysis for new projects and existing projects
- Legal Opinion request
- Patent Application Procedure to US-PTO
- Response to Office Action
- Interface with White Plains and Oblon Offices
- Organization of Patents and Publication

### **Requirements for this position:**

- Must have a Bachelor's Degree in either legal or technical field of study.
- Must have 5-7 years of experience in patent work.
- Must be willing to work independently or as a team member.

**Mitsubishi Chemical America Confidential**

## EXHIBIT C



United States Patent and Trademark Office

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Assignments on the Web > Patent Query

**Patent Assignment Abstract of Title**

**NOTE: Results display only for issued patents and published applications.  
For pending or abandoned applications please consult USPTO staff.**

**Total Assignments: 1**

**Patent #:** 6209995    **Issue Dt:** 04/03/2001    **Application #:** 09444392    **Filing Dt:** 11/22/1999

**Inventors:** GUERRY L. GRUNE, RICHARD IRVING STOW II, HEIDI WACHTER

**Title:** INK RESERVOIR, INK RESERVOIR REFILL CONTAINER, AND INK REFILL PROCESS

**Assignment: 1**

**Reel/Frame:** 011460/0043

**Recorded:** 01/26/2001

**Pages:** 3

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** GRUNE, GUERRY L.

**Exec Dt:** 01/15/2001

STOW, RICHARD IRVING, II

**Exec Dt:** 01/23/2001

WACHTER, HEIDI

**Exec Dt:** 01/23/2001

**Assignee:** MITSUBISHI CHEMICAL AMERICA, INC.

401 VOLVO PARKWAY

CHESAPEAKE, VIRGINIA 23320

**Correspondent:** OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT

STEVEN P. WEIHROUCH

1755 JEFFERSON DAVIS HIGHWAY, 4TH FLOOR

ARLINGTON, VA 22202

Search Results as of: 04/12/2005 01:38 PM

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723

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Atty Docket No.: 0979-0102-26

FORM PTO-1595  
1-31-92

01-30-2001



101598757

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Gerry L. Grune  
Richard Irving Stow, II  
Heidi Wachter

2. Name and address of receiving party(ies):

Name: Mitsubishi Chemical America, Inc.  
Address: 401 Volvo Parkway  
Chesapeake, Virginia 23320

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance: 1-36-01

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: January 15, 2001, January 23,  
2001, January 23, 2001

Additional name(s) and address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
09/444,392

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Steven P. Weihrouch

Name of Person Signing

Registration Number: 32,829

Signature

Date

Total number of pages including this cover sheet: 3

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 011460 FRAME: 0043

Assignment Of Application

Page 1 of 2

WHEREAS, I (WE) Guerry L. GRUNE of 784 Villier Ct.Virginia Beach, VA 23452 USARichard Irving STOW, II of 8102 Rossmore Ave.Hampton, VA 23605 USAReigi WACHTER of 26B Tower 8Laguna Verde, Hok Un StreetHung Hom, KowloonHong KongChina

respectively,

INVENT TITLE  
OF INVENTION:have invented certain new and useful improvements in: INK RESERVOIR, INK  
RESERVOIR REFILL CONTAINER, AND INK REFILL PROCESSINVENT DATE OR  
PRIORITY DATE  
DECLARATION:for which an application for Letters Patent was executed on January 15, 23, 2001(Application No. 09/441,392 filed November 23, 1999), andINVENT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE:WHEREAS, Mitsubishi Chemical America, Inc.(hereinafter referred to as "ASSIGNEE") having a place of business at 401 Volvo Parkway,  
Chesapeake, Virginia 23320

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: x January 23, 2001

x Guerry L. Grune  
(Signature of Inventor) Guerry L. GRUNE

Date: x JAN 23, 2001

x Richard I. Stow, II  
(Signature of Inventor) Richard Irving STOW, II

Date: x January 16, 2001

x Heidi Wächter  
(Signature of Inventor) Heidi WACHTER

Date: \_\_\_\_\_

(Signature of Inventor) \_\_\_\_\_

Date: \_\_\_\_\_

(Signature of Inventor) \_\_\_\_\_

Date: \_\_\_\_\_

(Signature of Inventor) \_\_\_\_\_

Date: \_\_\_\_\_

(Signature of Inventor) \_\_\_\_\_

Date: \_\_\_\_\_

(Signature of Inventor) \_\_\_\_\_

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202



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**Assignments on the Web > Patent Query**

**Patent Assignment Abstract of Title**

**NOTE: Results display only for issued patents and published applications.  
For pending or abandoned applications please consult USPTO staff.**

**Total Assignments: 1**

**Patent #:** 6208821    **Issue Dt:** 03/27/2001    **Application #:** 09540287    **Filing Dt:** 03/31/2000

**Inventors:** Guerry L. Grune, William Niederstadt, Dennis Working

**Title:** Photosensitive drum having injection molded insert and method of forming same

**Assignment: 1**

**Reel/Frame:** 010677/0188

**Recorded:** 03/31/2000

**Pages:** 3

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** GRUNE, GUERRY L.

**Exec Dt:** 03/27/2000

NIEDERSTADT, WILLIAM

**Exec Dt:** 03/27/2000

WORKING, DENNIS

**Exec Dt:** 03/28/2000

**Assignee:** MITSUBISHI CHEMICAL AMERICA, INC.

401 VOLVO PARKWAY

CHESAPEAKE, VIRGINIA 23320

**Correspondent:** OBLON, SPIVAK, MCCLELLAND, ET AL.

STEVEN P. WEIHRUCH

1755 JEFFERSON DAVIS HWY.

FOURTH FLOOR

ARLINGTON, VIRGINIA 22202

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Atty Docket No.: 0979-0101-26

04-12-2000

FORM PTO-1593  
1-11-02

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101318593

To the Honorable Commissioner of Patents and Trademarks, I have enclosed the attached original documents or copy thereof.

1. Name of conveying party(ies):

Guerry L. Grune, William Niederstadt and Dennis Working

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: March 27, March 28, 2000

2. Name and address of receiving party(ies):

Name: Mitsubishi Chemical America, Inc.

Address: 401 Volvo Parkway  
Chesapeake, Virginia 23320

Additional name(s) and address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: March 27, March 28, 2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

OBILON, SPIVAK, McCLELLAND, MATER &  
NEUSTADT, P.C.

Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030  
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Steven P. Weihrouh

Name of Person Signing

Registration Number: 32,829

Signature

Date

Total number of pages including this cover sheet:

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 010677 FRAME: 0188

## Assignment Of Application

Page 1 of 2

WHEREAS, I (WE)

INSERT NAME  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS

Guerry L. Grune of Virginia Beach, Virginia;

William Niederstadt of Chesapeake, Virginia; and

Dennis Working of Norfolk, Virginia

, respectively,

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in: PHOTOSENSITIVE DRUM HAVING  
INJECTION MOLDED INSERT AND METHOD FOR FORMING SAME

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on X March 27, March 28, 2000

(Application No. \_\_\_\_\_, filed March 31, 2000 \_\_\_\_\_), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE:

WHEREAS, mitsubishi chemical america, inc.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 401 Volvo Parkway,  
Chesapeake, Virginia 23320

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any  
Letters Patent that may be granted therefore in the United States and its territorial possessions and in  
any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: <u>X 3/27/2000</u>	<u>X</u> <u>Guerry L. Grune</u> (Signature of Inventor) Guerry L. Grune
Date: <u>3/27/2000</u>	<u>X</u> <u>William E. Niederstadt</u> (Signature of Inventor) William Niederstadt
Date: <u>X 3/28/2000</u>	<u>X</u> <u>Dennis Working</u> (Signature of Inventor) Dennis Working
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202



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Assignments on the Web &gt; Patent Query

**Patent Assignment Abstract of Title**

**NOTE: Results display only for issued patents and published applications.  
For pending or abandoned applications please consult USPTO staff.**

**Total Assignments: 1****Patent #:** 6159345    **Issue Dt:** 12/12/2000    **Application #:** 09187526    **Filing Dt:** 11/06/1998**Inventors:** JOHN C. DONNELLY, GUERRY L. GRUNE, GREGORY A. FRICK, KENNETH L. MARSH**Title:** METHOD AND APPARATUS FOR RECOVERING AND/OR RECYCLING SOLVENTS**Assignment: 1****Reel/Frame:** 009727/0679**Recorded:** 01/27/1999**Pages:** 3**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignors:** DONNELLY, JOHN C.**Exec Dt:** 12/14/1998GRUNE, GUERRY L.**Exec Dt:** 12/15/1998FRICK, GREGORY A.**Exec Dt:** 12/14/1998MARSH, KENNETH L.**Exec Dt:** 12/15/1998**Assignee:** MITSUBISHI CHEMICAL AMERICA, INC.VIRGINIA OPERATIONS, 401 VOLVO PARKWAY  
CHESAPEAKE, VIRGINIA 23320**Correspondent:** OBLON, SPIVAK, MCCLELLAND, MAIER ET AL.

ATTORNEYS AT LAW

STEVEN P. WEIHROUCH

1755 JEFFERSON DAVIS HIGHWAY, 4TH FLOOR  
ARLINGTON, VIRGINIA 22202

Search Results as of: 04/12/2005 01:39 PM

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02-02-1999

FORM PTO-1595  
1-31-92



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

DOCKET NO. 0979-0062-26

100954505

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John C. DONNELLY, Guerry L. GRUNE, Gregory A.  
FRICK, Kenneth L. MARSH

Additional name(s) of conveying party(ies) attached?

☐ Yes ☐ No

3. Nature of Conveyance: 1-27-99

☒ Assignment  
☐ Security Agreement  
☐ Other

☐ Merger  
☐ Change of Name

Name and address of receiving party(ies):

Name: MITSUBISHI CHEMICAL AMERICA, INC.

Address: Virginia Operations, 401 Volvo Parkway  
Chesapeake, Virginia 23320

Additional name(s) & address(es) attached?

☐ Yes ☐ No

Execution Date: December 14, 15, 14, 15, 1998

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/187,526

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030

(Attach duplicate copy of this page if paying by deposit account)

02/01/1999 09:03 00000000 00000000

01 PG001

40.00 00

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Steven P. Wehrhach  
Name of Person Signing  
Registration No. 32,828

Signature

1-27-99

Date  
Total number of pages including  
cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)

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PATENT

REF: 9727 FRAME 0679

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

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Date: 12-14-98

(Signature of Inventor)

John C. Donnelly  
JOHN C. DONNELLY

Date: 12-15-98

(Signature of Inventor)

Guerry T. Grune  
GUERRY T. GRUNE

Date: 12-14-98

(Signature of Inventor)

Gregory A. Frick  
GREGORY A. FRICK

Date: 12-15-98

(Signature of Inventor)

Kenneth L. Marsh  
KENNETH L. MARSH

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202

# Assignment Of Application

Page 1 of 2

INSERT NAMES  
AND RESIDENCE  
ADDRESSES OF  
THE INVENTORS:

WHEREAS, I (WE) John C. DONNELLY of 1334 Mallory Court, Norfolk,  
Virginia 23507; Guerry L. GRUNE of 784 Villier Court, Virginia Beach,  
Virginia 23452; Gregory A. FRICK of 965 Forest Lake Drive, Chesapeake,  
Virginia 23322 and Kenneth L. MARSH of 512 Sunderland Terrace,  
Chesapeake, Virginia 23322

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in: A METHOD AND APPARATUS  
FOR RECOVERING AND/OR RECYCLING SOLVENTS

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on \_\_\_\_\_  
(Application No. 09/187,526, filed November 6, 1998), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE:

WHEREAS, MITSUBISHI CHEMICAL AMERICA, INC.  
(hereinafter referred to as "ASSIGNEE") having a place of business at: Virginia Operations,  
401 Volvo Parkway, Chesapeake, Virginia 23320

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.



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## Patent Assignment Abstract of Title

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For pending or abandoned applications please consult USPTO staff.**

## Total Assignments: 1

Patent #: 6017665 Issue Dt: 01/25/2000 Application #: 09030925 Filing Dt: 02/26/1998

Inventors: GUERRY L. GRUNE, RICHARD R. HARRIS

Title: CHARGE GENERATION LAYERS AND CHARGE TRANSPORT LAYERS AND ORGANIC PHOTOCONDUCTIVE IMAGING RECEPTORS CONTAINING THE SAME, AND METHOD FOR PREPARING THE SAME

## Assignment: 1

Reel/Frame: 009011/0184

Recorded: 02/26/1998

Pages: 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: GRUNE, GUERRY L.

Exec Dt: 02/25/1998

HARRIS, RICHARD R.

Exec Dt: 02/25/1998

Assignee: MITSUBISHI CHEMICAL AMERICAONE NORTH LEXINGTON AVENUE  
WHITE PLAINS, NEW YORK 10601

Correspondent: OBLON, SPIVAK, MCCLELLAND ET AL.

FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VA 22202  
ATTN: STEPHEN G. BAXTER

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551-415

03-10-1998

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioners of Patents and Tr.

100656811

documents or copy of

1. Name of conveying party(ies):

Guerry L. GRUNE and Richard R. HARRIS

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: February 25, 1998

2. Name and address of receiving party(ies):

Name: MITSUBISHI CHEMICAL AMERICA

Address: One North Lexington Avenue  
White Plains, New York 10601

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

February 25, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

OBLON, SPIVAK, McCLELLAND, MAIER &  
NEUSTADT, P.C.  
Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030

(Attach duplicate copy of this page if paying by deposit account)

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03 FEB 26 1998

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Stephen L. Baxter, Ph.D.  
Registration No. 32,884

Signature

Date

Total number of pages including cover sheet: 3

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PATENT  
REEL: 9011 FRAME: 0184

# Assignment Of Application

Page 1 of 2

WHEREAS, I (WE) Guerry L. Grune and Richard R. Harris of:

784 Villier Ct., Virginia Beach, VA 23452; and

2916 Bald Eagle Bend, Virginia Beach, VA 23456

INSERT NAMES  
AND RESIDENCE  
ADDRESSES OF  
THE INVENTORS:

, respectively,

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in: CHARGE GENERATION LAYERS AND  
CHARGE TRANSPORT LAYERS AND ORGANIC PHOTOCONDUCTIVE IMAGING RECEPTORS  
CONTAINING THE SAME, AND METHOD FOR PREPARING THE SAME

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on February 25, 1998

(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE:

WHEREAS, MITSUBISHI CHEMICAL AMERICA

(hereinafter referred to as "ASSIGNEE") having a place of business at:

One North Lexington Avenue, White Plains, New York, 10601

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

1/25

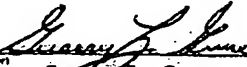
PATENT  
REEL: 9011 FRAME: 0185

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

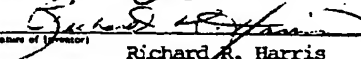
Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

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Date: 2/25/98

  
(Signature of Inventor)  
Gregory L. Grune

Date: 3/25/98

  
(Signature of Inventor)  
Richard R. Harris

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202

1/95

RECORDED: 02/26/1998

PATENT  
REEL: 9011 FRAME: 0186

## EXHIBIT D

February 23, 2004

### **Introduction:**

This is the first progress report on Mitsubishi Chemical "Copper" project.

### **Purpose:**

To evaluate the effect of alloying a functionalized polymer with ethylene acrylate saline terpolymer. Functional polymer in RH6496-20 film is High Density Polyethylene. The functional polymer in RH6496-09 is Liner Low Density Polyethylene.

### **Testing Protocol:**

#### ***I) Lamination***

- 4" x 4" piece of copper is cut and then laminated with the adhesive film.
- Transfer adhesive film to Copper at following conditions:

Machine Used	Thermopatch NL-18 Low pressure heat seal
Top Plate Temp	300F
Bottom Plate Temp	Room Temperature
Pressure	80 psi
Time	18 seconds

#### ***II) Bonding***

4"x 4" are placed inside of .150" U shape metal, U shape metal maintains the integrity of the bonded composite by reducing PE core flow due to too much pressure on the piece.

Bonding Condition:

Machine Used	Carver Hydraulic Press
Top Plate Temperature	300F
Bottom Plate Temperature	300F
Pressure	3000 psi
Time	20 seconds

#### ***III) Bond Strength Testing***

- 4" x 4" bonded pieces are cut to 1" x 4" test pieces.
- Initial bond testing is performed one hour after bonding.

- Bond testing on salt water samples is performed 10 minutes after removal from salt water solution.
- 180 degree peel angle, 12" per minute separation speed.
- All bond numbers are Lb./Inch

	Initial Bond	After 24 hours*	After 48 Hours*	After 72 hours*
6371 x .0015" - Control	29.7	10.5	1.9	0
RH6496-20 x .0015"	42.9	37.3	33.3	25.1
RH6496-09 x .0015"	25.5	18.2	16.9	4.4

\*Salt Water Submersion

5% table salt dissolved in distilled water, Water temp kept constant at 120F

### **Conclusion:**

Alloying of the functional polymer with the saline terpolymer seems to improve resistance to salt water solution without sacrificing the initial adhesion. The Salt water submersion test was intended for 24 hours only; we extended it to 72 hours to study the effect of longer exposure.

Samples should be sent to Mitsubishi for their evaluation and feedback on the performance of alloyed films.

## Silane Test #1

02/06/03

- ⇒ 5% solution in Methanol of 6011, 6020, 6124, 6224
- ⇒ standard press condition test 300'/3000lb/20sec for film application and pressing final laminate = very poor to no adhesion
- ⇒ control copper run @ 60 seconds and 350' = excellent adhesion >28kg
- ⇒ Pull test production sample = 30kg
- ⇒ Run control silanes @ 350'/3000lb/40sec = good adhesion
- ⇒ Put in 50'C 5% NaCl solution for 90 day test

02/07/03 – standard failed

02/12/03 - all failed except 6224 – 6224 showing some edge creep  
- put production sample in salt test bath

02/12/03 – review Dow Corning literature: ideas for next test

- 1) Z6224 = make a 2% silane solution in Methanol = wipe on generous and allow to dry – cure silane @ 110'C for 5 to 10 minutes or 24 hours @ room temperature - laminate
- 2) Check production in salt H<sub>2</sub>O if performing better than lab
- 3) Z6011 – 5% in Isopropanol (check % on bottle) (maybe over diluted)  
First test dry @ 75'C for 15 minutes or room temp for 30 minutes  
\* two issues, over dilute; not enough reaction time
- 4) Z6224 tech sheet recommends high temperature drying to allow for condensation at the silanol groups at the surface

02/13/03 – check production sample – no evidence at delamination

02/24/03 – 6224 delam

02/26/03 – control (same sheet 02/06/03) 60'/350'/3000lb – Adhesion very weak  
– 6224 pre test 230c 5 min - 60'/350'/3000lb> Good Adhesion

03/03/03 – 2/26/03 6442 failed  
– Production still going

## EXHIBIT E

**From:** <Guerry\_Grune@m-chem.com>  
**To:** <SKOSCHMIEDER@oblon.com>  
**Date:** 3/25/04 1:35PM  
**Subject:** Addresses of Inventors and Final Review

Dear Stefan,

Below are the addresses of the inventors for the Oath and Dec. I propose we do NOT wait to have those signed as the inventors are not all here right now. Please call me so we can finalize the application and get it on file. I will be here until 3:45 today.

Thanks,

GG

Guerry L. Grune  
784 S. Villier Ct.  
Virginia Beach, VA

Dave Kearney  
131 Elaine Drive  
Newport News, VA 23602

Joe Rudisi  
2456 Ships Watch  
Virginia Beach, VA 23451

Bill Yannetti  
804 Birch Forest Court  
Chesapeake, Virginia 23322

## EXHIBIT F

WACHOVIA  
1751 Pinnacle Drive  
McLean, VA 22102 U.S.A.

Swift Code: PNBPU33  
ACCOUNT NO. 2050000238309  
ABA Routing Number 051400549

Alexandria, Virginia 22314 U. S. A.  
Telephone (703)413-3000

**March 31, 2004**

1940 Duke Street  
Alexandria, Virginia 22314

Facsimile (703) 413-2220

Tax I.D. 54-1080193

**Billed Through 03/31/04**

**Client.Matter: 0979.250078US**

**Invoice Number 675993**

**Guerry L. Grune, Ph.D.**  
**Intellectual Property Manager**  
**MITSUBISHI CHEMICAL AMERICA**  
**Virginia Operation**  
**401 Volvo Parkway**  
**Chesapeake, VA 23320**

**Re: U.S. Application**  
**Serial No: 10/809,514**  
**Your Ref: Metal Polymer Laminate**  
**Our Ref: 250078US**

**TO SERVICES:**

03/01/04	SUK	Drafting New Patent Application	39.50 hrs	200.00/hr	
03/29/04		Docketing and Filing of Patent Application	Standard Fee	625.00	
03/29/04		Preparation and Filing of Information Disclosure Statement	Standard Fee	350.00	
03/29/04		Obtaining Patent Copies	Standard Fee	10.00	
03/29/04		Preparation and Filing of Application Data Sheet (ADS)	Standard Fee	130.00	
03/29/04		Preparation and Filing of Rule 1.63 Declaration	Standard Fee	330.00	
		Stefan U. Koschmieder	39.50 hrs	200.00/hr	7,900.00
		Standard Fee			1,445.00
					-----
		Total Services	39.50 hrs		\$9,345.00

**TO DISBURSEMENTS:**

Government Fee for Additional Claims in Excess of 20	270.00
Government Fee for Filing of Application without Declaration	130.00
Government Fee for Filing of Patent Application	770.00
Patent Copies	8.00
Photocopying	41.00
Secretarial Services	84.00
Telephone	1.41
	-----
Total Disbursements	\$1,304.41

**TOTAL CHARGES FOR THIS BILL**

**\$10,649.41**

**PAID**  
5-3-04

Return Service Requested

000366

Check Date: 04/30/2004  
Vendor Number: 0000505855

OBLON SPIVAK ET AL  
1940 DUKE STREET  
ALEXANDRIA VA 22314-3451



Invoice Number	Invoice Date	Voucher Number	P.O. Number	Gross Amount	Discount	Net Amount
1900002735	03/31/04	675993		\$10,649.41		\$10,649.41
1900002679	03/31/04	676704		415.00		415.00
1900002678	03/31/04	675980		1,158.68		1,158.68
1900002675	03/31/04	675991		283.61		283.61
1900002676	03/31/04	676717		2,437.80		2,437.80
1900002677	03/31/04	675979		1,157.25		1,157.25
				\$16,101.75	\$0.00	\$16,101.75

19017/317098

SHADED AREA MUST GRADUALLY CHANGE FROM BLUE AT TOP TO GREEN AT BOTTOM

Mitsubishi Chemical America Inc  
401 Volvo Parkway  
Chesapeake VA 23320

0979

66-156/531

356012

Pay Exactly

\*\*16,101\* Dollars and \* 75 \* Cents

Date

04/30/2004

Net Amount

\*\*\*16,101.75

TO THE  
ORDER  
OF

000366  
OBLON SPIVAK ET AL  
1940 DUKE STREET  
ALEXANDRIA VA 22314-3451

*W. J. B. L.*

Authorized Signature

Wachovia Bank, N.A.  
Winston-Salem, NC 27150

⑈0000356012⑈ ⑆053101561⑆ 2079900146242⑈

WACHOVIA  
1751 Pinnacle Drive  
McLean, VA 22102 U.S.A.

Swift Code: PNBPU33  
ACCOUNT NO. 2050000238309  
ABA Routing Number 051400549

Alexandria, Virginia 22314 U. S. A.  
Telephone (703)413-3000

**August 31, 2004**

**Billed Through 08/31/04**

**Client.Matter: 0979.250078US**

**Invoice Number 697080**

1940 Duke Street  
Alexandria, Virginia 22314

Facsimile (703) 413-2220

Tax I.D. 54-1080193

**Kathryn R. Roche, Esq.**  
**Intellectual Property Counsel**  
**MITSUBISHI CHEMICAL AMERICA**  
**One North Lexington Avenue**  
**White Plains, NY 10601**

**Re: U.S. Application**  
**Serial No: 10/809,514**  
**Your Ref: Metal Polymer Laminate**  
**Our Ref: 250078US**

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**TO SERVICES:**

08/18/04	SUK	Telephone Discussion with Guerry Grune	Standard Fee	200.00
		Standard Fee		200.00
		Total Services		----- \$200.00

**TO DISBURSEMENTS:**

Facsimile	6.00
Photocopying	5.00
Telephone	0.60
Total Disbursements	----- \$11.60

**TOTAL CHARGES FOR THIS BILL**

**\$211.60**

**PAID**  
10-12-04



WACHOVIA  
1751 Pinnacle Drive  
McLean, VA 22102 U.S.A.

Swift Code: PNBUS33  
ACCOUNT NO. 2050000238309  
ABA Routing Number 051400549

Alexandria, Virginia 22314 U. S. A.  
Telephone (703)413-3000

**October 31, 2004**

**Billed Through 10/31/04**

**Client.Matter: 0979.250078US**

**Invoice Number 707327**

1940 Duke Street  
Alexandria, Virginia 22314

Facsimile (703) 413-2220

Tax I.D. 54-1080193

**Kathryn R. Roche, Esq.**  
**Intellectual Property Counsel**  
**MITSUBISHI CHEMICAL AMERICA**  
**One North Lexington Avenue**  
**White Plains, NY 10601**

**Re: U.S. Application**  
**Serial No: 10/809,514**  
**Your Ref: Metal Polymer Laminate**  
**Our Ref: 250078US**

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**TO SERVICES:**

10/14/04	JDM	Review status of this case and 231031US case and report same to K. Roche.	0.60 hrs	420.00/hr	
		J. Derek Mason	0.60 hrs	420.00/hr	252.00
		Total Services	0.60 hrs		----- \$252.00

**TO DISBURSEMENTS:**

Courier	8.15
Facsimile	4.50
Postage	0.37
Telephone	0.09
Total Disbursements	----- \$13.11

**TOTAL CHARGES FOR THIS BILL**

**\$265.11**

**PAID**  
12-20-04

OBLON SPIVAK ET AL  
1940 DUKE STREET  
ALEXANDRIA VA 22314-3451

Check Date: 12/17/2004  
Vendor Number: 0000505855

**XX**

Invoice Number	Invoice Date	Voucher Number	P.O. Number	Gross Amount	Discount	Net Amount
1900008474	10/31/04	707657		\$2,453.03		\$2,453.03
1900008475	10/31/04	707123		\$2,280.00		\$2,280.00
1900008476	10/31/04	707081		\$194.92		\$194.92
1900008477	10/31/04	707080		\$99.39		\$99.39
1900008478	10/31/04	707100		\$1,072.50		\$1,072.50
1900008479	10/31/04	707327		\$265.11		\$265.11
1900008467	10/31/04	706642		\$2,716.00		\$2,716.00
1900008468	09/30/04	703036		\$1,865.55		\$1,865.55
1900008469	10/31/04	707668		\$2,955.45		\$2,955.45
1900008470	10/31/04	706225		\$700.51		\$700.51
1900008472	10/31/04	706222		\$1,348.70		\$1,348.70
1900008473	10/31/04	706640		\$1,749.87		\$1,749.87
				<b>\$17,701.03</b>	<b>\$0.00</b>	<b>\$17,701.03</b>

RECEIVED  
ACCOUNTING  
DEC 20 2004  
OBLON, SPIVAK, McCLELLAND  
MAIER & NEUSTADT, P.C.

SHADED AREA MUST GRADUALLY CHANGE FROM BLUE AT TOP TO GREEN AT BOTTOM

Mitsubishi Chemical America Inc  
401 Volvo Parkway  
Chesapeake VA 23320

**36 1772**

66-156/531

0979

**Date**

**Net Amount**  
**USD**

## Pay Exactly

**\*\*17,701\* Dollars and \* 03 \* Cents**

**12/17/2004**

**\*\*\*\*17,701.03**

TO THE  
ORDER  
OF

OBLON SPIVAK ET AL  
1940 DUKE STREET  
ALEXANDRIA VA 22314-3451

WACHOVIA BANK, N.A.

Wm B L

**Authorized Signature**

11000036177211 1:053101561:207990014624211

WACHOVIA  
1751 Pinnacle Drive  
McLean, VA 22102 U.S.A.

Swift Code: PNBPU33  
ACCOUNT NO. 2050000238309  
ABA Routing Number 051400549

Alexandria, Virginia 22314 U. S. A.  
Telephone (703)413-3000

**March 31, 2005**

**Billed Through 03/31/05**

**Client.Matter: 0979.250078US**

**Invoice Number 729497**

1940 Duke Street  
Alexandria, Virginia 22314

Facsimile (703) 413-2220

Tax I.D. 54-1080193

**Kathryn R. Roche, Esq.**  
**Intellectual Property Counsel**  
**MITSUBISHI CHEMICAL AMERICA**  
**One North Lexington Avenue**  
**White Plains, NY 10601**

**Re: U.S. Application**  
**Serial No: 10/809,514**  
**Your Ref: Metal Polymer Laminate**  
**Our Ref: 250078US**

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**TO SERVICES:**

03/01/05	JDM	Conference w/ S. Koschmieder re: Declaration and Assignment documents needed.	0.20 hrs	430.00/hr	
03/04/05	JDM	Discussion w/ S. Koschmieder re:recalcitrant inventor issues.	0.20 hrs	430.00/hr	
03/11/05	JDM	Teleconference w/ K. Roche; conference w/ S. Koschmieder re: assignment issues and PCT filing due to recalcitrant inventor issue.	0.80 hrs	430.00/hr	
		J. Derek Mason	1.20 hrs	430.00/hr	516.00
		Total Services	1.20 hrs		\$516.00

**TO DISBURSEMENTS:**

Patent Copies	10.00
Photocopying	32.75
Postage	3.95
Telephone	0.42
Total Disbursements	\$47.12

**TOTAL CHARGES FOR THIS BILL**

**\$563.12**

DOCKET NO.: 250078US23/kri

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF:

Guerry L GRUNE, et al.

GROUP: 1773

SERIAL NO: 10/809,514

FILED: March 26, 2004

EXAMINER: KRUER, K.R.

FOR: METAL/POLYMER LAMINATES, A METHOD FOR PREPARING THE  
LAMINATES, AND STRUCTURES DERIVED THEREFROM

**SUBMISSION OF SUPPLEMENTAL APPLICATION DATA SHEET**

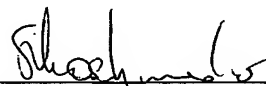
Office of Initial Patent Examination  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant(s) submit herewith a Supplemental Application Data Sheet for the above-identified application for the purpose of correcting the order of inventors.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



---

J. Derek Mason

Registration No. 35,270

Customer Number

**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 06/04)

Stefan U. Koschmieder

Registration No. 50,238

## SUPPLEMENTAL APPLICATION DATA SHEET

### APPLICATION INFORMATION

Application Number:: 10/809,514  
Application Date:: 03/26/04  
Application Type:: REGULAR  
Subject Matter:: UTILITY  
CD-ROM or CD-R?:: NONE  
Title:: METAL/POLYMER LAMINATES, A  
METHOD FOR PREPARING THE  
LAMINATES, AND STRUCTURES  
DERIVED THEREFROM  
  
Attorney Docket Number:: 250078US23

### INVENTOR INFORMATION

Applicant Authority Type:: INVENTOR  
Primary Citizenship Country:: USA  
Status:: FULL CAPACITY  
Given Name:: Bill  
Family Name:: YANNETTI  
City of Residence:: Chesapeake  
State or Province of Residence:: VA  
Country of Residence:: USA  
Street of Mailing Address:: 804 Birch Forest Court  
City of Mailing Address:: Chesapeake  
State or Province of Mailing Address:: VA  
Country of Mailing Address:: USA  
Postal or Zip Code of Mailing Address:: 23322  
Middle Name:: L.

Applicant Authority Type:: INVENTOR  
Primary Citizenship Country:: USA  
Status:: FULL CAPACITY  
Given Name:: Joe  
Family Name:: RUDISI  
City of Residence:: Virginia Beach  
State or Province of Residence:: VA  
Country of Residence:: USA  
Street of Mailing Address:: 2456 Ships Watch  
City of Mailing Address:: Virginia Beach  
State or Province of Mailing Address:: VA  
Country of Mailing Address:: USA  
Postal or Zip Code of Mailing Address:: 23451

Applicant Authority Type:: INVENTOR  
Primary Citizenship Country:: USA  
Status:: FULL CAPACITY  
Given Name:: Dave  
Family Name:: KEARNEY  
City of Residence:: Newport News  
State or Province of Residence:: VA  
Country of Residence:: USA  
Street of Mailing Address:: 131 Elaine Drive  
City of Mailing Address:: Newport News  
State or Province of Mailing Address:: VA  
Country of Mailing Address:: USA  
Postal or Zip Code of Mailing Address:: 23602

Applicant Authority Type:: INVENTOR  
Primary Citizenship Country:: USA  
Status:: FULL CAPACITY  
Given Name:: Guerry  
Middle Name:: L.  
Family Name:: GRUNE  
City of Residence:: Virginia Beach  
State or Province of Residence:: VA  
Country of Residence:: USA  
Street of Mailing Address:: 784 S. Villier Court  
City of Mailing Address:: Virginia Beach  
State or Province of Mailing Address:: VA  
Country of Mailing Address:: USA  
Postal or Zip Code of Mailing Address:: 23452

**CORRESPONDENCE INFORMATION**

Correspondence Customer Number:: 22850

**REPRESENTATIVE INFORMATION**

Representative Customer Number:: 22850

**DOMESTIC PRIORITY INFORMATION**

**FOREIGN PRIORITY INFORMATION**

**ASSIGNMENT INFORMATION**

Assignee Name::	MITSUBISHI CHEMICAL AMERICA, INC.
Street of Mailing Address::	401 Volvo Parkway
City of Mailing Address::	Chesapeake
State or Province of Mailing Address::	Virginia
Country of Mailing Address::	U.S.A.
Postal or Zip Code of Mailing Address::	23320